

STIC Biotechnology Systems Branch

RAW SEQUENCE LISTING

ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: _____

Source: _____

Date Processed by STIC: _____

10/569,587
IFWP
03/13/2006

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.4.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , **EFS Submission User Manual - ePAVE**)
2. **U.S. Postal Service:** Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. **Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05):**
U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314

Revised 01/10/06



IFWP

RAW SEQUENCE LISTING

DATE: 03/13/2006

PATENT APPLICATION: US/10/569,587

TIME: 12:07:56

Input Set : A:\PTO.DA.txt

Output Set: N:\CRF4\03132006\J569587.raw

3 <110> APPLICANT: Akashi, Akira
 4 Hasegawa, Susumu
 5 Takata, Kazutaka
 7 <120> TITLE OF INVENTION: NOVEL MICROORGANISM AND PROCESS FOR TREATMENT OF ORGANIC
 SOLID MATTER
 8 USING THE MICROORGANISM
 10 <130> FILE REFERENCE: 4605-060308
 C--> 12 <140> CURRENT APPLICATION NUMBER: US/10/569,587
 C--> 13 <141> CURRENT FILING DATE: 2006-02-23
 15 <150> PRIOR APPLICATION NUMBER: JP 2003-209106
 16 <151> PRIOR FILING DATE: 2003-08-27
 18 <160> NUMBER OF SEQ ID NOS: 6
 20 <170> SOFTWARE: MicrosoftWord 2003
 22 <210> SEQ ID NO: 1
 23 <211> LENGTH: 1495
 24 <212> TYPE: DNA
 25 <213> ORGANISM: Geobacillus sp. SPT4
 27 <220> FEATURE:
 29 <400> SEQUENCE: 1

30	gaacgctggc	ggcgtgccta	atacatgcaa	gtcgagcgga	ccggacagga	gcttgctctt	60
31	gttcggttag	cggcggacgg	gtgagtaaca	cgtgggcaac	ctacccgtaa	gaccgggata	120
32	actccgggaa	accggagcta	ataccggata	acaccgaaga	ccgcatggtc	ttcggttgaa	180
33	aggcggcttt	ggctgtcact	tacggatggg	cccgcggcgc	attagctagt	tggtagaggta	240
34	acggctcacc	aaggcgacga	tgcgtagccg	gcctgagagg	gtgaccggcc	acactgggac	300
35	tgagacacgg	cccagactcc	tacgggaggg	agcagtaggg	aatcttccgc	aatggacgaa	360
36	agtctgacgg	agcgacgccg	cgtgagcgaa	gaaggtcttc	ggatcgtaaa	gctctgttgt	420
37	tagggaagaa	gaagtaccgt	tcgaataggg	cggtagcgtg	acggtacctt	acgagaaagc	480
38	cccggctaac	tacgtgccag	cagccgcggt	aatacgtagg	ggcgagcggt	gtccggaatt	540
39	attgggcgta	aagcgcgcgc	aggcgggtccc	ttaagtctga	tgtgaaagcc	cacgggtcaa	600
40	ccgtggaggg	tcattggaaa	ctgggggact	tgagtgcaga	agaggagagc	ggaattccac	660
41	gtgtagcggg	gaaatgcgta	gagatgtgga	ggaacaccag	tggcgaaggc	ggctctctgg	720
42	tctgtaactg	acgctgaggg	gcgaaagcgt	ggggagcaaa	caggattaga	taccctggta	780
43	gtccacgccg	taaacgatga	gtgctaagtg	ttagaggggt	caaacccttt	agtgtctcag	840
44	ctaacgcgtt	aagcactccg	cctggggagt	acggccgcaa	ggctgaaact	caaaggaatt	900
45	gacggggggc	cgcacaagcg	gtggagcatg	tggtttaatt	cgaagcaacg	cgaagaacct	960
46	taccaggctt	tgacatcccc	tgacaacctt	agagataggg	cgttccccct	tcgggggggac	1020
47	aggggtgacg	gtggtgcatg	gttgctgtca	gctcgtgtcg	tgagatgttg	ggtaagtcc	1080
48	cgcaacgagc	gcaaccctcg	accttagttg	ccagcattca	gttgggcact	ctaagggtgac	1140
49	tgccgatgac	aaatcgaggg	aagggtgggga	tgacgtcaaa	tcacatgccc	ccttatgacc	1200
50	tgggctacac	acgtgtctaca	atgggctgta	caaagggtcg	cgaacccgcg	aggggggagcg	1260
51	aatcccaaaa	agccgctctc	agttcgggatt	gcaggctgca	actgcgctgc	atgaagccgg	1320
52	aatcgctagt	aatcgcggat	cagcatgccg	cgggtgaatac	gttcccgggc	cttgtagaca	1380
53	ccgcccgtca	caccacgaga	gcttgcaaca	cccgaagtcg	gtgaggtaac	cctttcgggg	1440
54	gccagccgcc	gaaggtgggg	caagtgattg	gggtgaagtc	gtaacagggt	agcca	1495

Does Not Comply
 Corrected Diskette Needed
 (CR-3,4)

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TIME: 12:07:56

Input Set : A:\PTO.DA.txt

Output Set: N:\CRF4\03132006\J569587.raw

56 <210> SEQ ID NO: 2

57 <211> LENGTH: 1498

58 <212> TYPE: DNA

59 <213> ORGANISM: Geobacillus sp. SPT5

61 <220> FEATURE:

63 <400> SEQUENCE: 2

64	agaacgctgg	cggcgtgcct	aatacatgca	agtcgagcgg	actgaatggg	agcttgctct	60
65	tgttcgggtca	gcggcgggacg	ggtgagtaac	acgtgggcaa	cctgcccgcga	agaccgggat	120
66	aactccggga	aaccggagct	aataccggat	aacaccgaag	accgcatggt	ctttggttga	180
67	aaggcggcgc	aagctgccac	ttgcggatgg	gcccgcggcg	cattagctag	ttggtgaggt	240
68	aacggctcac	caaggcgacg	atgcgtagcc	ggcctgagag	ggtgaccggc	cacactggga	300
69	ctgagacacg	gcccagactc	ctacgggagg	cagcagtagg	gaatcttccg	caatgggcga	360
70	aagcctgacg	gagcgacgcc	gcgtgagcga	agaaggcctt	cgggtcgtaa	agctctgttg	420
71	tgaggggacga	aggagcgccg	tttgaagaag	gcggcgcggg	gacggtagct	cacgaggaag	480
72	ccccggctaa	ctacgtgccca	gcagccgcgg	taatacgtag	gggcgagcgt	tgtccggaat	540
73	tattgggcgt	aaagcgcgcg	caggcggttc	cttaagtctg	atgtgaaagc	ccacggctca	600
74	accgtggagg	gtcattggaa	actgggggac	ttgagtgcag	gagaggagag	cggaattcca	660
75	cgtgtagcgg	tgaaatgcgt	agagatgtgg	aggaacacca	gtggcgaaag	cggctctctg	720
76	gcttgcaact	gacgctgacg	cgcgaaagcg	tggggagcga	acaggattag	ataccctggg	780
77	agtcacgccc	gtaaacyatg	agtcgtaagt	gttagagggg	tcacaccctt	tagtgctgca	840
78	gctaacgcga	taagcactcc	gcttggggag	tacggccgca	aggctgaaac	tcaaaggaat	900
79	tgacgggggg	ccgcacaagc	ggtggagcat	gtgggtttaat	tcgaagcaac	gcgaagaacc	960
80	ttaccagggt	ttgacatccc	ctgacaaccc	aagagattgg	gcgttccccc	ttcggggggga	1020
81	cagggtgaca	ggtggtgcat	ggttgtcgtc	agctcgtgtc	gtgagatggt	gggttaagtc	1080
82	ccgcaacgag	cgcaaccctt	cgctcttagt	tgccagcatt	cggttgggca	ctctagaggg	1140
83	actgccggcg	acaagtcgga	ggaaggtggg	gatgacgtca	aatcatcatg	ccccttatga	1200
84	cctgggctac	acacgtgcta	caatgggcgg	tacaaagggc	tgcaaacccg	cgagggggag	1260
85	cgaatcccaa	aaagccgctc	tcagttcgga	ttgcaggctg	caactcgcct	gcataagacc	1320
86	ggaatcgcta	gtaatcgccg	atcagcatgc	cgcggtgaat	acgttcccgg	gccttggtaca	1380
87	caccgcccgt	cacaccagca	gagcttgcaa	cacccgaagt	cggtagggca	acccgtttcg	1440
88	ggagccagcc	gccgaagggtg	gggcaagtga	ttggggtgaa	gtcgtaaacag	ggtagcca	1498

90 <210> SEQ ID NO: 3

91 <211> LENGTH: 1495

92 <212> TYPE: DNA

93 <213> ORGANISM: Geobacillus sp. SPT6

95 <220> FEATURE:

97 <400> SEQUENCE: 3

98	gaacgctggc	ggcgtgccta	atacatgcaa	gtcgagcggg	ccggacagga	gcttgctctt	60
99	gttcgggttag	cggcgggacg	gtgagtaaca	cgtgggcaac	ctacccgtaa	gaccgggata	120
100	actccgggaa	accggagcta	ataccggata	acaccgaaga	ccgcatggtc	ttcggttgaa	180
101	aggcggtctt	ggctgtcact	tacggatggg	cccgcggcgc	attagctagt	tggtgaggta	240
102	acggctcacc	aaggcgacga	tgcgtagccg	gcctgagagg	gtgaccggcc	acactgggac	300
103	tgagacacgg	cccagactcc	tacgggaggg	agcagtaggg	aatcttccgc	aatggacgaa	360
104	agtctgacgg	agcgacgccc	cgtgagcgaa	gaaggtcttc	ggatcgtaaa	gctctgttgt	420
105	tagggaagaa	gaagtaccgt	tcgaatatgg	cggtagcgtg	acggtagccta	acgagaaagc	480
106	cccgggcta	tacgtgccag	cagccgcggg	aatacgtagg	ggcgagcgtt	gtccggaatt	540
107	attgggcgta	aagcgcgcgc	aggcgggtccc	tttaagtctga	tgtgaaagcc	cacgggtcaa	600
108	ccgtggaggg	tcattggaaa	ctgggggact	tgagtgcaga	agaggagagc	ggaattccac	660
109	gtgtagcggg	gaaatgcgta	gagatgtgga	ggaacaccag	tggcgaaagg	ggctctctgg	720

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Input Set : A:\PTO.DA.txt

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110 tctgtaactg acgctgagggc gcgaaagcgt ggggagcaaa caggattaga taccctggta      780
111 gtccacgccc taaacgatga gtgctaagtg ttagaggggt caaacccctt agtgctgcag      840
112 ctaacgcgtt aagcactccg cctggggagt acggccgcaa ggctgaaact caaaggaatt      900
113 gacggggggc cgcacaagcg gtggagcatg tggtttaatt cgaagcaacg cgaagaacct      960
114 taccaggtct tgacatcccc tgacaaccct agagataggg cgttccccct tcgggggggac     1020
115 agggtgacag gtgggtgcatg gttgtcgtca gctcgtgtcg tgagatgttg ggtaaagtcc     1080
116 cgcaacgagc gcaaccctcg accttagttg ccagcattca gttggggcact ctaagggtgac     1140
117 tgccgatgac aaatcggagg aaggtgggga tgacgtcaaa tcatcatgcc ctttatgacc     1200
118 tgggctacac acgtgctaca atgggcggta caaagggtcg cgaaccgcg agggggagcg     1260
119 aatcccaaaa agccgctctc agttcggatt gcaggctgca actcgctgc atgaagccgg     1320
120 aatcgctagt aatcgcggat cagcatgccg cggatgaatac gttcccgggc cttgtacaca     1380
121 ccgcccgtca caccacgaga gcttgcaaca cccgaagtcg gtgaggtaac cctttcggga     1440
122 gccagccgccc gaaggtgggg caagtgattg gggatgaagtc gtaacagggt agcca      1495
124 <210> SEQ ID NO: 4
125 <211> LENGTH: 1498
126 <212> TYPE: DNA
127 <213> ORGANISM: Geobacillus sp. SPT7
129 <220> FEATURE:
130 <221> NAME/KEY: misc_feature
131 <222> LOCATION: (721) (780)
132 <223> OTHER INFORMATION: n= nucleotide that cannot be defined otherwise
134 <220> FEATURE:
135 <221> NAME/KEY: misc_feature
136 <222> LOCATION: (1081) (1140)
137 <223> OTHER INFORMATION: n= nucleotide that cannot be defined otherwise
139 <220> FEATURE:
140 <221> NAME/KEY: misc_feature
141 <222> LOCATION: (1381) (1440)
142 <223> OTHER INFORMATION: n= nucleotide that cannot be defined otherwise
145 <400> SEQUENCE: 4
146 gagaacgctg gcggcgtgcc taatacatgc aagtcgagcg gaccaaactc gagcttgctc      60
147 tgatttggtc agcggcggac ggggtgagtaa cacgtgggca acctgcccgc aagaccggga     120
148 taactccggg aaaccggagc taataccgga taacaccgaa gaccgcatgg tctttggttg     180
149 aaaggcggcc tttggctgtc acttgcggtg gggcccgcg cgcattagct agttggtgag     240
150 gtaacggctc accaaggcga cgatgcgtag ccggcctgag agggtgaccg gccacactgg     300
151 gactgagaca cggcccagac tcctacggga ggcagcagta ggggaatctc cgcaatgggc     360
152 gaaagcctga cggagcgacg ccgcgtgagc gaagaaggcc ttcgggtcgt aaagctctgt     420
153 tgtgagggac gaaggagcgc cgttcgaaga gggcggcgcg gtgacggtac ctacagagga     480
154 agccccggct aactacgtgc cagcagccgc ggtaatacgt aggggcgagc gttgtccgga     540
155 attattgggc gtaaaagcgc cgcaggcggg tccttaagtc tgatgtgaaa gccacaggct     600
156 caaccgtgga gggtcattgg aaactggggg acttgagtg aggagaggag agcggaattc     660
157 cacgtgtagc ggtgaaatgc gtagagatgt ggaggaacac cagtggcgaa ggcggctctc     720
W--> 158 tggcctgcaa ctgacgctga ggcgcgaaag cntggggagc aaacaggatt agataccctg     780
159 gtagtccacg ccgtaaacga tgagtgttaa gtgttagagg ggtcacaccc ttagtgctg     840
160 cagctaacgc gataagcact ccgcctgggg agtacggccg caaggctgaa actcaaagga     900
161 attgacgggg gcccgcaaaa gcggtggagc atgtggttta attcgaagca acgcgaagaa     960
162 ccttaccagg tcttgacatc ccttgacaac ccaagagatt gggcggtccc ccttcggggg     1020
163 gacaggggtga cagggtgtgc atggttgctg tcagctcgtg tcgtgagatg ttgggttaag     1080
W--> 164 tcccgcacac agcgcaaccc tcgcctctag ttgccagcac gaangtgggc actctagagg     1140

```

Do you mean as (Unknown)

Same

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DATE: 03/13/2006

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Input Set : A:\PTO.DA.txt

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165 gactgccggc gacaagtcgg aggaagggtgg ggatgacgtc aaatcatcat gccccttatg 1200
 166 acctgggcta cacacgtgct acaatgggcg gtacaaaggc ctgcgaaccc gcgaggggga 1260
 167 gcgaatccca aaaagccgct ctcagttcgg attgcaggct gcaactcgcc tgcataaagc 1320
 168 cggaatcgct agtaatcgcg gatcagcatg ccgcggtgaa tacgttcccg ggccttgatc 1380
 W--> 169 acaccgcccg tcacaccacg agagcttgca acaccgaag tcggtgnggt aacccttacg 1440
 170 ggagccagcc gccgaagggtg gggcaagtga ttggggtgaa gtcgtaacag ggtagcca 1498
 172 <210> SEQ ID NO: 5
 173 <211> LENGTH: 20
 174 <212> TYPE: DNA
 175 <213> ORGANISM: Artificial Sequence
 177 <220> FEATURE:
 W--> 179 <223> OTHER INFORMATION: *→*
 W--> 179 <400> 5
 180 agagttagat cctgcctcag
 182 <210> SEQ ID NO: 6
 183 <211> LENGTH: 19
 184 <212> TYPE: DNA
 185 <213> ORGANISM: Artificial Sequence
 187 <220> FEATURE:
 W--> 189 <223> OTHER INFORMATION: *→*
 W--> 189 <400> 6
 190 ggctaccttg ttacgactt

*9/21/37 Response is Artificial
 Pls Explain the Source of genetic
 Material. See pages 20
 for Error Explanation.*

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RAW SEQUENCE LISTING ERROR SUMMARY

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TIME: 12:07:57

Input Set : A:\PTO.DA.txt

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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:4; N Pos. 752,1124,1427

Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:1; Line(s) 30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49

Seq#:1; Line(s) 50,51,52,53,54

Seq#:2; Line(s) 64,65,66,67,68,69,70,71,72,73,74,75,76,77,78,79,80,81,82,83

Seq#:2; Line(s) 84,85,86,87,88

Seq#:3; Line(s) 98,99,100,101,102,103,104,105,106,107,108,109,110,111,112

Seq#:3; Line(s) 113,114,115,116,117,118,119,120,121,122

Seq#:4; Line(s) 146,147,148,149,150,151,152,153,154,155,156,157,158,159,160

Seq#:4; Line(s) 161,162,163,164,165,166,167,168,169,170

Seq#:5; Line(s) 180

Seq#:6; Line(s) 190

*Error Explanation*Use of <220> Feature(NEW RULES):

Sequence(s) are missing the <220> Feature and associated headings.

Use of <220> to <223> is MANDATORY if <213> ORGANISM is "Artificial Sequence" or "Unknown". Please explain source of genetic material in <220> to <223> section (See "Federal Register," 6/01/98, Vol. 63, No. 104, pp.29631-32) (Sec.1.823 of new Rules)

Seq#:5,6

VERIFICATION SUMMARY

DATE: 03/13/2006

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Input Set : A:\PTO.DA.txt

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L:12 M:270 C: Current Application Number differs, Replaced Current Application Number
L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:158 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:720
L:164 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:1080
L:169 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:1380
L:179 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:5, <213>
ORGANISM:Artificial Sequence
L:179 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:5,Line#:179
L:189 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:6, <213>
ORGANISM:Artificial Sequence
L:189 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:6,Line#:189